

Section L

Site Integration

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INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

NOTE: Unless otherwise noted, all information contained herein is as of the end of August 2002.

There are no milestones (EA, DOE-HQ, or RL) in Fiscal Year (FY) 2002 for this PBS.

NOTABLE ACCOMPLISHMENTS

Planning & Integration (P&I) WBS 3.4.1.1

Project Control Procedure Updates — Comments generated from the formal Site review of the Baseline Change Management procedure (HNF-PRO-533) were dispositioned and publication of the procedure is planned for September 6, 2002. Resolution of comments on the companion document to HNF-PRO-533, the Baseline Change Management guidance document, was initiated August 5, following a two-week Site review. Final publication of the document is expected in September.

A half-day workshop session was conducted to establish a process diagram, which will serve as the basis for developing an Integrated Baseline Planning procedure. This procedure will integrate cost, scope, and schedule baseline planning. The new procedure will merge two existing procedures (HNF-PRO-518, Work Breakdown Structure, Index, & Dictionary; HNF-PRO-519, Scheduling) into a single integrated procedure.

Startup Workshop — Operational Planning assumed the lead role in coordinating the fiscal year startup workshop and is collecting presentation and handout materials from Finance and Procurement. Startup Workshops are scheduled in September. The workshops are conducted for project personnel to orient them on changes to processes, system changes, coding requirements, etc. The workshops are also a forum to remind field personnel of actions required to ensure a successful startup (i.e., setting up and communicating charge codes, etc.).

Systems Planning/Enhancements — Project Control Systems planning for FY 2003 is complete and statements of work (SOW) have been submitted and estimates developed. The systems support contractor will provide a Technical Response once they receive the revised contract/releases and SOW.

New labor cost reports are now available in HANDI that provide a consolidated breakout of regular and overtime hours and dollars by WBS and performing Cost Center. This information was not previously available in HANDI.

Enhanced ad hoc commitment reports are being provided to CH2M Hill, Inc. (CHG) on a weekly basis for the remainder of the fiscal year. CHG shares the FH procurement system.

Required Government Responses and Actions (RGRA) — A report of the RGRA in support of FH will be submitted electronically to RL on September 3, 2002. This submission includes submitting a 90-day look ahead utilizing RL's expanded database. This report also included all significant FY 2003 actions.

The next update is due November 1, 2002 and will again detail the 90-day look ahead plus list the significant rolling-twelve-month actions.

Pricing Rates Development for Baseline Updates — Pricing rates for the pending baseline updates were developed and issued to project personnel. These rates include assumptions for increases anticipated in pension and insurance costs and include recognition of recently negotiated salary agreements and salary merit actions. These rates and associated assumptions were submitted to RL.

Baseline Change Management — Efforts continue on reconciling approved baseline change actions with project implementation of those actions into the FH baseline. This process ensures that approved actions are accurately implemented in a timely fashion. Any implementation issues are noted with the respective subproject and corrective actions are taken.

Fiscal Year Spend Forecast Updates — Each FH subproject provided an update of their fiscal year spend forecast, including update of expected year-end commitments and scope carryover. FH spending forecasts and projected legal commitments are anticipated to remain within FH funding control points.

Implementation of a Standard FH Estimating Software — As part of the pending baseline update, FH is implementing a standard software package for preparation of project estimates. Efforts are underway to establish MAESTRO Estimator as the FH site standard and integrate it with existing planning systems. Conversion of existing project estimates is underway at the Plutonium Finishing Plant (PFP) as part of their baseline update to reflect accelerations consistent with the Program Management Plan (PMP) submitted to DOE-HQ in August. Training of project personnel on the software was conducted on August 20-22.

RL/FH Performance Management Meetings (PMMs) — Two PMMs were held in August. The PMM conducted on August 1, 2002 was a quarterly baseline review, and provided detailed sub-project performance status through June 2002. Topics addressed included FH safety information, accomplishments, cost and schedule data, schedules, performance incentives status, and issues. The PMM held on August 29, 2002, provided Company-level status through July 2002. The next PMM is scheduled for October 3, 2002, and is slated to address FH's August 2002 performance.

Environmental Management Performance Report (EMPR) — The June EMPR was provided to RL on August 1 as scheduled and in bound copy on August 12, 2002. The July EMPR was provided to RL on August 29, 2002.

Environmental Compliance Program (ECP) WBS 3.4.1.2

AOP Semi-Annual Report — The Air Operating Permit (AOP) Semiannual Report was transmitted to RL on August 9, 2002. This transmittal completes deliverable number ECP-02-406 six days ahead of schedule.

Air Effluent/Emissions Reporting — HNF-EP-0527-11, Environmental Releases for Calendar Year 2001, was transmitted to RL on August 28, 2002. This transmittal completes Deliverable Number ECP-02-808 two days ahead of schedule.

Chemical Management — HNF-PRO-10468, "Chemical Management Process" was submitted for formal review. This two-year effort has been significant, with the involvement of representatives from each of the projects and facilities on the Hanford Site. The procedure, when published, will absorb HNF-RD-8839, "Chemical Management Requirements," and HNF-PRO-699, "Storing and Handling Chemicals."

Hanford Facility Notification of Dangerous Waste Activities — FH transmitted the revised "Hanford Facility Notification of Dangerous Waste Activities," Form 2 to RL for certification. FH coordinated certifications from each of the Hanford Site prime contractors in order to transmit the revised form. The form was revised to add a treatment activity to the list of allowable treatment activities on the site that can be performed under the RCRA generator activities. The treatment activity can be used after RL transmits the form to the State of Washington Department of Ecology (Ecology).

Management Plan for Recycle Materials — FH transmitted the revised "Management Plan for Recycle Materials Administered by Hanford's Centralized Consolidation/Recycling Center" to RL. RL will be transmitting the revised document to Ecology. The revision is needed to address continued management of fluorescent light tubes at the Centralized Consolidation/Recycling Center.

Regulatory Inspection Support — The following regulator facility inspections were coordinated:

- On August 15, 2002, the Washington State Department of Health (WDOH) began an inspection of the 303-K and 224-T (TRUSAF) Facilities. The inspectors verified conditions and closed Notice of Construction items. No concerns were relayed.
- On August 15, 2002, Ecology began an inspection of T-Plant's hazardous waste storage areas. No concerns were relayed.
- On August 20, 2002, WDOH began an inspection of the 219-S (222-S) Stack and associated monitoring equipment. No concerns were relayed.
- On August 20, 2002, WDOH began an inspection of the 202-S Stack (REDOX). The inspectors verified conditions at the closed stack. No concerns were relayed.
- On August 28, 2002, the Benton Clean Air Authority observed areas in the Fast Flux Test Facility (FFTF). The inspector gathered information needed to make disposal decisions. No concerns were relayed.

Spill and Release Reporting — Appropriate reporting responses were coordinated for five non-reportable releases of a hazardous substance and/or a petroleum product released to the environment. All of these releases were cleaned up and disposed of per state and federal requirements. There were no reportable events with a release to the environment and six reportable code non-compliance events reported directly to the FH Single-Point-of-Contact through the Occurrence Notification Center (ONC).

Systems Engineering and Integration (SE&I) WBS 3.4.1.4

System Engineering Management System Solution — In support of the efforts under the Hanford Site Analyses and Models and the Hanford Site Requirements Analysis Reports, the following work was accomplished:

- Continued support to RL's Implementation Plan for the Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2000-2, Configuration Control for Vital Safety Systems.
- Improved the integration of the FH requirements management activities.
- Migrated input data into the ROM model, exercised the model and developed a preliminary analysis for deactivation of over 1,000 buildings and structures. Two cases were evaluated, baseline and Performance Management Plan accelerations. Results of the ROM work will be documented during September.

System Engineering Technical Products — In support of the efforts for Prime Contract Integration the following work is being accomplished:

- Working to integrate the Technical Baseline information systems, including the Hanford Site Technical Data, Hanford Geographic Information System, Hanford Well Information System, Waste Information Data System, and Hanford Facilities CORE database. Several meetings were held and integration plans are being developed.
- Worked with Project representatives from FH and CHG to initiate discussions on the interfaces within the Canister Storage Building.
- Worked with FH Project representatives from the SNF Project to initiate identification of the specific buildings and end points for transition to the River Corridor Contractor. This work is temporarily on hold, pending award of the River Corridor Contract.

Information Resource Management (IRM) WBS 3.4.1.5

Service Level Agreements/Forecasts (SLA/F) — Fluor Hanford IRM has issued SLA/F's to IRM customers in the annual effort to determine forecasted user requirements for FY 2003 – FY 2006 and to communicate the service levels planned for IRM services. Gathering IRM customer input on volumes and service level expectations allows Fluor Hanford to more effectively plan and provide IRM services.

Local Area Network Material Accounting System (LANMAS) — LANMAS is used to do the cross referencing, which speeds up locating the nuclear material and planning the work to retrieve the items for processing. It was upgraded to reduce worker radiation exposure. A companion software package to LANMAS was developed and implemented to meet Hanford site-specific database and report requirements. This enabled vault operations to more effectively find the location of items in storage.

Business Management System (BMS) Upgrades — The PeopleSoft Human Resources modules were successfully upgraded to version 8. This upgrade provides various system enhancements including a "web based" client application for Hanford Local Area Network (HLAN) end users, additional functionality, and no required client workstation administration.

Virtual Knowledge Center/Integrated Document Management Systems (VKC/IDMS) — This system was placed into production, a major milestone in the implementation of this software that provides automated workflows, electronic signatures, knowledge management, portals, electronic records, and an electronic document management system.

Active Directory Deployment — This deployment is a replacement for the current NT Logon Security Architecture and sets the foundation for the future Hanford Network Architecture for application upgrades such as Exchange 2000 and Internet Security Accelerator (ISA).

Training WBS 3.4.1.6

Hazardous Waste Training — Two hundred and ninety-five students were trained in hazardous waste handling during August 2002. Twelve 8-hour refreshers, one 24-hour initial, and one combination (40/24/Upgrade) class were conducted.

Respiratory Training — Two hundred and thirty-one students were trained in respiratory protection during August 2002. Twenty-four respiratory protection refresher classes and five respiratory protection initial classes were conducted.

Mask Fit Training — Two hundred and seventy-three students were processed through Mask Fit during August 2002.

Occupational Safety and Health Training — Twelve sessions were delivered for 89 students on various hoisting and rigging topics during August 2002. The topics included basic crane and rigging, aerial lift safety, load securing, and inspection of overhead cranes.

Nuclear Safety Training — Training supported the following Nuclear Safety training activities during August 2002:

- Eight sessions of nuclear criticality safety training were delivered for 25 students during August 2002.
- Forty-eight sessions of radiation worker training were held during August 2002. Forty-seven students attended 16 sessions of initial radiation worker training and 186 students attended 32 sessions of radiation worker retraining.
- Four sessions of Radiological Control Technician (RCT) biennial requalification cycle (HR2012) were delivered for 94 students during August. Since April 2002, 360 of approximately 400 RCTs and Radiological Control exempt staff have attended the training.

Emergency Preparedness (EP) Training — Training supported the following EP training activities during August 2002:

- Hanford Incident Command System Initial Training – 1 student
- Hanford Incident Command System Refresher Training – 46 students
- Building Emergency Director Initial Training – 1 student
- Building Emergency Director Refresher Training – 20 students
- Building Warden Refresher Training – 12 students

Web-Based Training (WBT) — Training offers WBT through the HAMMER Courseware Management System (HAMMERCMS). In August 2002, HAMMERCMS recorded 4,622 course completions. This includes 1,138 Hanford General Employee Training (HGET) student completions.

Deliverable Completion — The following deliverable was completed during August 2002:

- Conduct assessments of the use of the Systematic Approach to Training (SAT) process on high attendance training activities (number and activities to be determined jointly by FH and RL-OTS) to determine the quality, appropriateness of delivery method and compliance with all applicable regulations.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Nothing to report.

Opportunities for Improvement

Information Resource Management ^{3/4} A new process for replacing Personal Computers (PCs) was implemented, with Lockheed Martin Information Technology (LMIT) becoming the source for systems. This enables the site to leverage Lockheed Martin's large corporate-wide buying power in negotiating lower system prices than are currently being paid, while still maintaining the use of a local small business to provide them. Anticipated savings are up to \$300,000 annually.

IRM presented a potential opportunity in the areas of wireless Hanford Local Area Network (HLAN) access, handheld computing devices and voice-activated website browsing. The demonstration showed the capability for a technician to navigate through a procedure using voice-activated software, leaving their hands free to perform work using a mobile computer not hard-wired to a network.

UPCOMING ACTIVITIES

Planning & Integration

- FH Baseline update for FY03 execution - due September 30, 2002
- Support to Life Cycle Cost Reduction - ongoing

Environmental Compliance Program

- ECP-02-707, RCRA Pipe Mapping and Marking Report - due September 16, 2002
- ECP-02-708, Annual Permitting Status Report - due September 18, 2002
- ECP-02-201, Update NEPA Source Guide - due September 30, 2002
- ECP-02-809, Reassessment of Hanford Stacks for Compliance With New DOH Criteria - due September 30, 2002

Systems Engineering & Integration

- In response to Project comments on the Technical Baseline, SE&I is working to improve the Hanford Site Technical Database (HSTD) functional analysis - due December 2002.

Information Resource Management

- **IRM Contract Negotiations** - Lockheed Martin's response to the FY2003-FY2006 Statement of Work and RFP for IRM Services is under review by Fluor Hanford, including the details for the services negotiated to cover the remaining four years of the contract.
- **Windows XP** – planning to migrate to Windows XP by June 30, 2003. Impacts include PC replacement/upgrades for a significant number of users, and change management is now being addressed.

Training

- Use customer satisfaction report to determine training effectiveness for three courses (courses to be determined jointly by FH and RL-OTS) by September 30, 2002.
- Offer an Instructor Continuing Training Program and ensure that each qualified instructor falling within the purview of the PHMC contract attend at least one offering annually or provide evidence of other continuing training during the year - provide report by September 30, 2002.
- Reduce customizations of the PeopleSoft Training Module and Integrated Training Electronic Matrix (ITEM) panels by 10 percent of the FY2001 level - due September 30, 2002.

MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

	By PBS	FYTD							
		BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC
PBS SS01									
WBS 3.4.1.1	P&I	3,594	3,592	2,799	-2	-0.1%	793	22.1%	3,989
WBS 3.4.1.2	ECP	8,434	8,434	7,747	0	0.0%	687	8.1%	9,297
WBS 3.4.1.4	SE	824	824	628	0	0.0%	196	23.8%	887
WBS 3.4.1.5	IRM	9,532	9,532	9,556	0	0.0%	-23	-0.2%	10,438
WBS 3.4.1.6	Training	4,658	4,659	3,724	1	0.0%	935	20.1%	5,171
	Total	27,042	27,040	24,453	-1	0.0%	2,587	9.6%	29,783

FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances in PBS RL-SS01 are within established thresholds. The \$2.6 M (9.6 percent) favorable cost variance is discussed in the Cost Variance Analysis portion of this report.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-\$0.0M)

All schedule variances are within established thresholds.

Cost Variance Analysis: (+ \$2.6M)

3.4.1.1 Planning & Integration

Description/Cause: The favorable cost variance is due to reserve identified in the baseline to be reallocated to higher priority work in other projects.

Impact: There is no significant project impact at this time.

Corrective Action: None at this time.

3.4.1.2 Environmental Compliance Program

Description/Cause: The favorable cost variance is within established thresholds and a result of labor under runs due to reductions of force, and procurement delays due to spending restrictions.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

3.4.1.4 Systems Engineering and Integration

Description/Cause: The favorable cost variance is a result of procurement delays for the Requirements Driven Design (RDD) 100 software in support of the HSTD due to spending restrictions.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

3.4.1.5 Information Resource Management

Description/Cause: The unfavorable cost variance is within established thresholds.

Impact: There is no project impact at this time.

Corrective Action: None at this time, but continuing to closely monitor revenue.

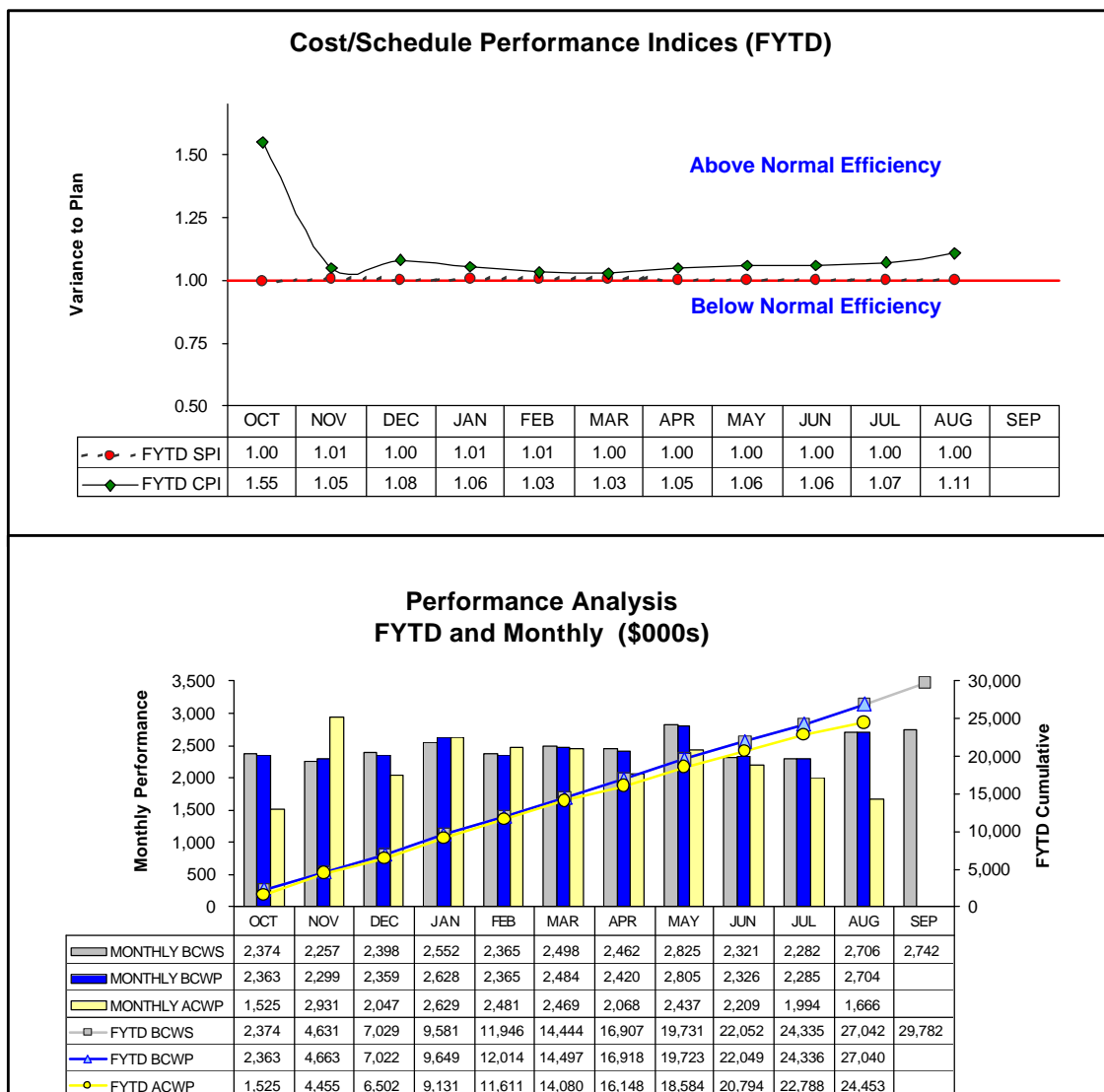
3.4.1.6 Training

Description/Cause: The favorable cost variance is a result of company level credit passbacks, labor underruns due to reductions of force, efficiencies, procurements placed on hold due to spending restrictions, and additional revenue than originally planned. The increase in revenue is due to shared service assessments to CHG increasing from 31.5 percent to 33.0 percent; direct distributable estimate is approximately 11 percent higher than planned; and additional revenue from The Center to Protect Workers' Rights for additional worker instructor hours.

Impact: There is no project impact at this time.

Corrective Action: None at this time.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



FUNDS MANAGEMENT

FYTD FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
3.4.1 Site Integration			
SS01			
Post 2006 - Operating	\$ 27,952	\$ 27,454	\$ 498
Total	\$ 27,952	\$ 27,454	\$ 498

[Status through August 2002]

Note: FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

ISSUES

TECHNICAL, REGULATORY, EXTERNAL AND DOE ISSUES AND DOE REQUESTS

None to report.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Baseline Change Log

BCR No./ Level 4 WBS	Date Originated	Description	Impact		Date Approved	Status
			Days	Dollars (\$000s)		
FH-02-010 3.4.1	2/28/02	FH Labor Rate/Continuity of Service & Escalation		593.0		At RL

NOTES: "Impact" refers to the impact in terms of the number of days or dollars changing from the 9/30/01 baseline.

"Date Approved" refers to date of change as approved by final approval authority.